<u>Amendments to the Specification:</u>

Please replace the first full paragraph beginning on page 11 with the following amended paragraph:

"Piconets employing different rotation sequences will not collide repeatedly with one another <u>on</u> [[one]] the same hopping sequence even if they become synchronized, and hence their mutual interference is greatly reduced. Even if overlapping piconets happen to use the same rotation sequence, they are not likely to be operating on the same hopping sequence for a prolonged period because the lengths and boundaries of their superframes are usually not identical. Both the hopping sequence pool and the rotation sequence pool may be designed to provide a minimum cross-correlation with other pool members given the size of the pool and the non-repeating length of the sequences as constraints."

Please replace the second paragraph beginning on page 11 and continuing onto page 12 with the following amended paragraph:

"The use of frequency hopping sequence rotation may offer other benefits specific to the piconet communications protocol. For example, it is expected that piconet member devices will occasionally miss beacons. Without the use of a specified rotation sequence, the loss of even a single beacon could cause a member device to lose track of the hopping sequence and have to drop out of the piconet. However, with knowledge of the specified <u>rotation's</u> <u>sequence</u> ~~rotation 'sequence~~ the piconet member devices are aware of the hopping sequence and may be able to participate in the superframe communications without having received the beacon."

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